7647

TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/938,885A

DATE: 11/29/2001 TIME: 11:02:26

Input Set : N:\Crf3\RULE60\09938885A.RAW
Output Set: N:\CRF3\11292001\1938885A.raw

SEQUENCE LISTING

```
3 (1) GENERAL INFORMATION:
             (i) APPLICANT: Bandman, Olga
      6
                            Goli, Surya K.
      7
                            Murry, Lynn E.
      9
            (ii) TITLE OF INVENTION: LUNG GROWTH FACTOR VARIANT
     11
           (iii) NUMBER OF SEQUENCES: 5
     13
            (iv) CORRESPONDENCE ADDRESS:
                  (A) ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
     14
     15
                  (B) STREET: 3174 Porter Drive
                                                              ENTERED
     16
                  (C) CITY: Palo Alto
     17
                  (D) STATE: CA
     18
                  (E) COUNTRY: US
     19
                  (F) ZIP: 94304
             (V) COMPUTER READABLE FORM:
     21
     22
                  (A) MEDIUM TYPE: Diskette
     23
                  (B) COMPUTER: IBM Compatible
                  (C) OPERATING SYSTEM: DOS
     24
     25
                  (D) SOFTWARE: FastSEQ Version 2.0
     27
            (vi) CURRENT APPLICATION DATA:
C--> 28
                  (A) APPLICATION NUMBER: US/09/938,885A
C--> 29
                  (B) FILING DATE: 24-Aug-2001
     30
                  (C) CLASSIFICATION: 435
     32
           (vii) PRIOR APPLICATION DATA:
     33
                  (A) APPLICATION NUMBER: 08/760,745
     34
                  (B) FILING DATE: 1996-12-07
     36
          (viii) ATTORNEY/AGENT INFORMATION:
     37
                  (A) NAME: Billings, Lucy J.
     38
                  (B) REGISTRATION NUMBER: 36,749
     39
                  (C) REFERENCE/DOCKET NUMBER: PF-0169 US
     41
            (ix) TELECOMMUNICATION INFORMATION:
     42
                  (A) TELEPHONE: 415-855-0555
     43
                  (B) TELEFAX: 415-845-4166
     44
                  (C) TELEX:
     47
        (2) INFORMATION FOR SEQ ID NO: 1:
     49
             (i) SEQUENCE CHARACTERISTICS:
     50
                  (A) LENGTH: 235 amino acids
     51
                  (B) TYPE: amino acid
     52
                  (C) STRANDEDNESS: single
     53
                  (D) TOPOLOGY: linear
     55
           (vii) IMMEDIATE SOURCE:
     56
                  (A) LIBRARY: lungast01
     57
                  (B) CLONE: 876242
     59
            (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
     61
        Met Pro His Ala Phe Lys Pro Gly Asp Leu Val Phe Ala Lys Met Lys
     62
          1
                                              10
        Gly Tyr Pro His Trp Pro Ala Arg Ile Asp Asp Ile Ala Asp Gly Ala
```

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Input Set: N:\Crf3\RULE60\09938885A.RAW
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20
    64
                                         25
    65
        Val Lys Pro Pro Pro Asn Lys Tyr Pro Ile Phe Phe Gly Thr His
     66
                                     40
        Glu Thr Ala Phe Leu Gly Pro Lys Asp Leu Phe Pro Tyr Glu Glu Ser
    67
    68
                                 55
                                                     - 60
    69
        Lys Glu Lys Phe Gly Lys Pro Asn Lys Arg Lys Gly Phe Ser Glu Gly
    70
                             70
                                                  75
    71
        Leu Trp Glu Ile Glu Asn Asn Pro Thr Val Lys Ala Ser Gly Tyr Gln
    72
                                             90
    73
        Ser Ser Gln Lys Lys Ser Cys Val Glu Glu Pro Glu Pro Glu Pro Glu
    74
                                         105
    75
        Ala Ala Glu Gly Asp Gly Asp Lys Lys Gly Asn Ala Glu Gly Ser Ser
    76
                                     120
    77
        Asp Glu Glu Gly Lys Leu Val Ile Asp Glu Pro Ala Lys Glu Lys Asn
    78
                                 135
    79
        Glu Lys Gly Ala Leu Lys Arg Arg Ala Gly Asp Leu Leu Glu Asp Ser
    80
                             150
                                                  155
    81
        Pro Lys Arg Pro Lys Glu Ala Glu Asn Pro Glu Gly Glu Glu Lys Glu
    82
                         165
                                             170
    83
        Ala Ala Thr Leu Glu Val Glu Arg Pro Leu Pro Met Glu Val Glu Lys
    84
                                         185
        Asn Ser Thr Pro Ser Glu Pro Gly Ser Gly Arg Gly Pro Pro Xaa Xaa
 -> 85
    86
                                     200
                                                          205
        Xaa Xaa Xaa Xaa Xaa Xaa Xaa Glu Glu Ala Thr Lys Glu Asp Ala
W--> 87
    88
                                 215
    89
        Glu Ala Pro Gly Ile Lys Ser His Glu Ser Leu
    90
                             230
       (2) INFORMATION FOR SEQ ID NO: 2:
    92
            (i) SEQUENCE CHARACTERISTICS:
    95
                  (A) LENGTH: 869 base pairs
    96
                  (B) TYPE: nucleic acid
    97
                  (C) STRANDEDNESS: single
    98
                  (D) TOPOLOGY: linear
    100
            (vii) IMMEDIATE SOURCE:
    101
                   (A) LIBRARY: lungast01
    102
                   (B) CLONE: 876242
    104
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
    106
         CCGCTGCAGC CGCTTTCTGC GGCCTGGGCC TCTCGCCGTC AGCATGCCAC ACGCCTTCAA
                                                                                  60
         GCCCGGGGAC TTGGTGTTCG CTAAGATGAA GGGCTACCCT CACTGGCCTG CCAGGATCGA
    107
                                                                                 120
    108
         CGACATCGCG GATGGCGCCG TGAAGCCCCC ACCCAACAAG TACCCCATCT TTTTCTTTGG
                                                                                 180
    109
         CACACAGAA ACAGCCTTCC TGGGCCCCAA AGACCTCTTC CCTTACGAGG AATCCAAGGA
                                                                                 240
    110
         GAAGTTTGGC AAGCCCAACA AGAGGAAAGG GTTCAGCGAG GGGCTGTGGG AGATCGAGAA
         CAACCCTACT GTCAAGGCTT CCGGCTATCA GTCCTCCCAG AAAAAGAGCT GTGTGGAAGA
                                                                                 360
         GCCTGAACCA GAGCCCGAAG CTGCAGAGGG TGACGGTGAT AAGAAGGGGA ATGCAGAGGG
    112
                                                                                 420
    113
         CAGCAGCGAC GAGGAAGGGA AGCTGGTCAT TGATGAGCCA GCCAAGGAGA AGAACGAGAA
                                                                                 480
    114
         AGGAGCGTTG AAGAGGAGAG CAGGGGACTT GCTGGAGGAC TCTCCTAAAC GTCCCAAGGA
                                                                                 540
         GGCAGAAAAC CCTGAAGGAG AGGAGAAGGA GGCAGCCACC TTGGAGGTTG AGAGGCCCCT
    115
                                                                                 600
         TCCTATGGAG GTGGAAAAGA ATAGCACCCC CTCTGAGCCC GGCTCTGGCC GGGGGCCTCC
                                                                                 660
         CCNNNNNNN NNNNNNNN NNNNNNNNA GGAAGAGGCT ACCAAGGAAG ATGCTGAGGC
                                                                                 720
```

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Input Set : N:\Crf3\RULE60\09938885A.RAW
Output Set: N:\CRF3\11292001\I938885A.raw

CTGTTCCTGC TGCTGTCTGG GTGCTACTGG GGAAACTGGC CATGGGCTGC AAACTGGGNA 840													
122 (2) INFORMATION FOR SEQ ID No: 3: 124													
124 (i) SEQUENCE CHARACTERISTICS: 125 (A) LENGTH: 240 amino acids 126 (B) TYPE: amino acid 127 (C) STRANDEDNESS: single 128 (D) TOPOLOGY: linear 130 (vii) IMMEDIATE SOURCE: 131 (A) LIBRARY: GenBank 132 (B) CLONE: 598956 134 (Xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 136 Met Ser Arg Ser Asn Arg Gln Lys Glu Tyr Lys Cys Gly Asp Leu Val 137 1 5 10 15 138 Phe Ala Lys Met Lys Gly Tyr Pro His Trp Pro Ala Arg Ile Asp Glu 139 20 25 30 140 Met Pro Glu Ala Ala Val Lys Ser Thr Ala Asn Lys Tyr Gln Val Phe 141 35 40 45 142 Phe Gly Thr His Glu Thr Ala Phe Leu Gly Pro Lys Asp Leu Phe 143 50 55 60 144 Pro Tyr Glu Glu Ser Lys Glu Lys Phe Gly Lys Pro Asn Lys Arg Lys 145 65 70 75 80 146 Gly Phe Ser Glu Gly Leu Trp Glu Ile Glu Asn Asn Pro Thr Val Lys 147 85 90 95 148 Ala Ser Gly Tyr Gln Ser Ser Gln Lys Lys Ser Cys Val Glu Glu Pro 149 Glu Pro Glu Ala Ala Ala Glu Gly Asp Gly Asp Lys Lys Gly Asn 150 Glu Pro Glu Ala Ala Glu Gly Asp Gly Asp Lys Lys Gly Asn 150 Glu Pro Glu Ala Ala Glu Gly Asp Gly Asp Lys Lys Gly Asn 151 115 120 125													
125 (A) LENGTH: 240 amino acids 126 (B) TYPE: amino acid 127 (C) STRANDEDNESS: single 128 (D) TOPOLOGY: linear 130 (vii) IMMEDIATE SOURCE: 131 (A) LIBRARY: GenBank 132 (B) CLONE: 598956 134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 136 Met Ser Arg Ser Asn Arg Gln Lys Glu Tyr Lys Cys Gly Asp Leu Val 137 1 5 10 15 138 Phe Ala Lys Met Lys Gly Tyr Pro His Trp Pro Ala Arg Ile Asp Glu 139 20 25 30 140 Met Pro Glu Ala Ala Val Lys Ser Thr Ala Asn Lys Tyr Gln Val Phe 141 35 40 45 142 Phe Phe Gly Thr His Glu Thr Ala Phe Leu Gly Pro Lys Asp Leu Phe 143 50 55 60 144 Pro Tyr Glu Glu Ser Lys Glu Lys Phe Gly Lys Pro Asn Lys Arg Lys 145 65 70 75 80 146 Gly Phe Ser Glu Gly Leu Trp Glu Ile Glu Asn Asn Pro Thr Val Lys 147 85 90 95 148 Ala Ser Gly Tyr Gln Ser Ser Gln Lys Lys Ser Cys Val Glu Glu Pro 149 100 105 115 120 125													
126													
127 (C) STRANDEDNESS: single 128 (D) TOPOLOGY: linear 130 (vii) IMMEDIATE SOURCE: 131 (A) LIBRARY: GenBank 132 (B) CLONE: 598956 134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 136 Met Ser Arg Ser Asn Arg Gln Lys Glu Tyr Lys Cys Gly Asp Leu Val 137 1 5 10 15 138 Phe Ala Lys Met Lys Gly Tyr Pro His Trp Pro Ala Arg Ile Asp Glu 139 20 25 30 140 Met Pro Glu Ala Ala Val Lys Ser Thr Ala Asn Lys Tyr Gln Val Phe 141 35 40 142 Phe Phe Gly Thr His Glu Thr Ala Phe Leu Gly Pro Lys Asp Leu Phe 143 50 55 60 144 Pro Tyr Glu Glu Ser Lys Glu Lys Phe Gly Lys Pro Asn Lys Arg Lys 145 65 70 75 80 146 Gly Phe Ser Glu Gly Leu Trp Glu Ile Glu Asn Asn Pro Thr Val Lys 147 85 90 95 148 Ala Ser Gly Tyr Gln Ser Ser Gln Lys Lys Ser Cys Val Glu Glu Pro 149 100 105 110 150 Glu Pro Glu Pro Glu Ala Ala Glu Gly Asp Gly Asp Lys Lys Lys Gly Asn 151													
128													
130													
131													
132 (B) CLONE: 598956 134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 136 Met Ser Arg Ser Asn Arg Gln Lys Glu Tyr Lys Cys Gly Asp Leu Val 137 1 5 10 15 15 138 Phe Ala Lys Met Lys Gly Tyr Pro His Trp Pro Ala Arg Ile Asp Glu 139 20 25 30 140 Met Pro Glu Ala Ala Val Lys Ser Thr Ala Asn Lys Tyr Gln Val Phe 141 35 40 55 60 142 Phe Phe Gly Thr His Glu Thr Ala Phe Leu Gly Pro Lys Asp Leu Phe 143 50 55 60 144 Pro Tyr Glu Glu Ser Lys Glu Lys Phe Gly Lys Pro Asn Lys Arg Lys 145 65 70 70 75 80 146 Gly Phe Ser Glu Gly Leu Trp Glu Ile Glu Asn Asn Pro Thr Val Lys 147 85 90 95 148 Ala Ser Gly Tyr Gln Ser Ser Gln Lys Lys Lys Ser Cys Val Glu Glu Pro 149 100 105 105 110 150 Glu Pro Glu Pro Glu Ala Ala Ala Glu Gly Asp Gly Asp Lys Lys Gly Asn 151 115 120 120 125													
134													
137													
137													
139													
139													
141													
141													
143													
143													
145 65 70 70 75 80 146 Gly Phe Ser Glu Gly Leu Trp Glu Ile Glu Asn Asn Pro Thr Val Lys 147 85 90 90 95 148 Ala Ser Gly Tyr Gln Ser Ser Gln Lys Lys Ser Cys Val Glu Glu Pro 149 100 105 105 110 150 Glu Pro Glu Pro Glu Ala Ala Glu Gly Asp Gly Asp Lys Lys Gly Asn 151 115 120 120 125													
146 Gly Phe Ser Glu Gly Leu Trp Glu Ile Glu Asn Asn Pro Thr Val Lys 147 85 90 95 148 Ala Ser Gly Tyr Gln Ser Ser Gln Lys Lys Ser Cys Val Glu Glu Pro 149 100 105 110 150 Glu Pro Glu Pro Glu Ala Ala Glu Gly Asp Gly Asp Lys Lys Gly Asn 151 115 120 120 125													
147 85 90 95 148 Ala Ser Gly Tyr Gln Ser Ser Gln Lys Lys Ser Cys Val Glu Glu Pro 149 100 105 105 110 150 Glu Pro Glu Pro Glu Ala Ala Glu Gly Asp Gly Asp Lys Gly Asn 151 115 120 120 125													
148 Ala Ser Gly Tyr Gln Ser Ser Gln Lys Lys Ser Cys Val Glu Glu Pro 149 100 105 110 150 Glu Pro Glu Pro Glu Ala Ala Glu Gly Asp Gly Asp Lys Gly Asn 151 115 120 125													
149 100 105 110 150 Glu Pro Glu Pro Glu Ala Ala Glu Gly Asp Gly Asp Lys Lys Gly Asn 151 115 120 125													
150 Glu Pro Glu Pro Glu Ala Ala Glu Gly Asp Gly Asp Lys Lys Gly Asn 151 120 125													
151 115 120 125													
152 Ala Glu Gly Ser Ser Asp Glu Glu Gly Lys Leu Val Ile Asp Glu Pro													
153 130 135 140													
154 Ala Lys Glu Lys Asn Glu Lys Gly Ala Leu Lys Arg Arg Ala Gly Asp													
155 145 150 155 160													
156 Leu Leu Glu Asp Ser Pro Lys Arg Pro Lys Glu Ala Glu Asn Pro Glu													
157 165 170 175													
158 Gly Glu Glu Lys Glu Ala Ala Thr Leu Glu Val Glu Arg Pro Leu Pro													
159 180 185 190													
160 Met Glu Val Glu Lys Asn Ser Thr Pro Ser Glu Pro Gly Ser Gly Arg													
161 195 200 205													
162 Gly Pro Pro Gln Glu Glu Glu Glu Glu Glu Glu Glu Glu Ala 163 210 215 220													
167 (2) INFORMATION FOR SEQ ID NO: 4: 169 (i) SEQUENCE CHARACTERISTICS:													
170 (A) LENGTH: 2376 base pairs													
171 (B) TYPE: nucleic acid													
172 (C) STRANDEDNESS: single													
173 (D) TOPOLOGY: linear													

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Output Set: N:\CRF3\11292001\1938885A.raw

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(vii) IMMEDIATE SOURCE:
175
176
              (A) LIBRARY: GenBank
177
              (B) CLONE: 598956
179
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
181
    GAGGAGGAGT GGGGACCGG CGGGGGGTGG AGGAAGAGGC CTCGCGCAGA GGAGGGAGCA
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    ATTGAATTTC AAACACAAAC AACTCGACGA GCGCGCACCC ACCGCGCCGG AGCCTTGCCC
                                                                         120
    CGATCCGCGC CCGCCCGTC CGTGCGGCGC GCGGCGGAG ACGCCGTGGC CGCGCCGGAG
183
                                                                         180
    CTCGGGCCGG GGGCCACCAT CGAGGCGGGG GCCGCGCGAG GGCCGGAGCG GAGCGGCGCC
                                                                         240
185
    GCCACCGCCG CACGCGCAAA CTTGGGCTCG CGCTTCCCGG CCCGGCGCG AGCCCGGGGC
                                                                         300
    GCCCGGAGCC CCGCCATGTC GCGATCCAAC CGGCAGAAGG AGTACAAATG CGGGGACCTG
186
                                                                         360
187
    GTGTTCGCCA AGATGAAGGG CTACCCACAC TGGCCGGCCC GGATTGACGA GATGCCTGAG
                                                                         420
188
    GCTGCCGTGA AATCAACAGC CAACAAATAC CAAGTCTTTT TTTTCGGGAC CCACGAGACG
                                                                         480
    GCATTCCTGG GCCCCAAAGA CCTCTTCCCT TACGAGGAAT CCAAGGAGAA GTTTGGCAAG
189
                                                                         540
190
    CCCAACAGA GGAAAGGGTT CAGCGAGGGG CTGTGGGAGA TCGAGAACAA CCCTACTGTC
                                                                         600
    AAGGCTTCCG GCTATCAGTC CTCCCAGAAA AAGAGCTGTG TGGAAGAGCC TGAACCAGAG
191
                                                                         660
192
    CCCGAAGCTG CAGAGGGTGA CGGTGATAAG AAGGGGAATG CAGAGGGCAG CAGCGACGAG
                                                                         720
193 GAAGGGAAGC TGGTCATTGA TGAGCCAGCC AAGGAGAAGA ACGAGAAAGG AGCGTTGAAG
                                                                         780
    AGGAGAGCAG GGGACTTGCT GGAGGACTCT CCTAAACGTC CCAAGGAGGC AGAAAACCCT
194
                                                                         840
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    GAAGGAGAG AGAAGGAGGC AGCCACCTTG GAGGTTGAGA GGCCCCTTCC TATGGAGGTG
                                                                         900
    GAAAAGAATA GCACCCCTC TGAGCCCGGC TCTGGCCGGG GGCCTCCCCA AGAGGAAGAA
196
197
    GAAGAGGAGG ATGAAGAGGA AGAGGCTACC AAGGAAGATG CTGAGGCCCC AGGCATCAGA
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    GATCATGAGA GCCTGTAGCC ACCAATGTTT CAAGAGGAGC CCCCACCCTG TTCCTGCTGC
                                                                        1080
199
    TGTCTGGGTG CTACTGGGGA AACTGGCCAT GGCCTGCAAA CTGGGAACCC CTTTCCCACC
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    1200
    CCTGGATGGG GCAGGCCACC TGGCTCTCAC CTCTAGGTCC CCATACTCCT ATGATCTGAG
201
                                                                        1260
202
    TCAGAGCCAT GTCTTCTCCC TGGAATGAGT TGAGGCCACT GTGTTCCTTC CGCTTGGAGC
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204
    CCACTCTCCT AGGCATTCTG GACCTCTGGG TTGGGATCAG GGGTAGGAAT GGAAGGATGG
                                                                        1440
    AGCATCAACA GCAGGGTGGG CTTGTGGGGC CTGGGAGGGG CAATCCTCAA ATGCGGGGTG
205
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    GGGGCAGCAC AGGAGGGCGG CCTCCTTCTG AGCTCCTGTC CCCTGCTACA CCTATTATCC
206
                                                                        1560
207
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                                                                        1620
    TCCTTGATGA TTGACAACAC CCATTTTTCC TTTTGCCGAC CCCAAGAGTT TTGGGAGTTG
208
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209
    TAGTTAATCA TCAAGAGAAT TTGGGGCTTC CAAGTTGTTC GGGCCAAGGA CCTGAGACCT
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    GAAGGGTTGA CTTTACCCAT TTGGGTGGGA GTGTTGAGCA TCTGTCCCCC TTTAGATCTC
211
    TGAAGCCACA AATAGGATGC TTGGGAAGAC TCCTAGCTGT CCTTTTTCCT CTCCACACAG
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212
    TGCTCAAGGC CAGCTTATAG TCATATATAT CACCCAGACA TAAAGGAAAA GACACATTTT
                                                                        1920
    TTAGGAAATG TTTTTAATAA AAGAAAATTA CAAAAAAAAA TTTTAAAGAC CCCTAACCCT
213
                                                                        1980
    TTGTGTGCTC TCCATTCTGC TCCTTCCCCA TCGTTGCCCC CATTTCTGAG GTGCACTGGG
214
                                                                        2040
    AGGCTCCCCT TCTATTTGGG GCTTGATGAC TTTCTTTTTG TAGCTGGGGC TTTGATGTTC
215
                                                                        2100
216
    CTTCCAGTGT CATTTCTCAT CCACATACCC TGACCTGGCC CCCTCAGTGT TGTCACCAGA
                                                                        2160
217
    TCTGATTTGT AACCCACTGA GAGGACAGAG AGAAATAAGT GCCCTCTCCC ACCCTCTTCC
                                                                        2220
218
    TACTGGTCTC TCTATGCCTC TCTACAGTCT CGTCTCTTTT ACCCTGGCCC CTCTCCCTTG
                                                                        2280
    GGCTCTGATG AAAAATTGCT GACTGTAGCT TTGGAAGTTT AGCTCTGAGA ACCGTAGATG
                                                                        2340
220 ATTTCAGTTC TAGGAAAATA AAACCCGTTG ATTACT
                                                                        2376
222 (2) INFORMATION FOR SEQ ID NO: 5:
224
        (i) SEQUENCE CHARACTERISTICS:
225
             (A) LENGTH: 237 amino acids
226
             (B) TYPE: amino acid
227
             (C) STRANDEDNESS: single
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Input Set : N:\Crf3\RULE60\09938885A.RAW
Output Set: N:\CRF3\11292001\1938885A.raw

228 230 231 232	(vii)		(D) TOPOLOGY: linearIMMEDIATE SOURCE:(A) LIBRARY: GenBank(B) CLONE: 945419													
234	(xi)		SEQUENCE DESCRIPTION: SEQ ID NO: 5:													
236	Met S											Cvc	C137	Nan	Tan	Wa I
237	1		*** 9	001	5	**** 9	0111	Lys	Olu	10	Lys	Cys	Gry	пор	15	Val
238	Phe A	د 1 د	T.37.0	Me+	_	G1 37	Фут	Dro	шic		Dro	אן א	λκα	T1.		Clu
239	1110 1	ııu	цуз	20	ט עם	O _T y	- Y -	110	25	тър	110	АТА	лгу	30	АБР	GIU
240	Met E	Pro	Glu		Δla	Va 1	Lvs	Ser		Δla	Δen	Lvs	ጥህን		Val	Dhe
241			35			, 41	273	40		mu	71511	L) 5	45	0111	Vai	1110
242	Phe F	?he		Thr	His	Glu	Thr		Phe	Leu	Glv	Pro		Asp	Leu	Phe
243		50	2				55				0-1	60	270	p	Lou	1110
244	Pro T	ľyr	Glu	Glu	Ser	Lys	Glu	Lvs	Phe	Glv	Lvs	Pro	Asn	Lvs	Ara	Lvs
245	65	-				70		-		_	75			_		80
246	Gly F	?he	Ser	Glu	Gly	Leu	Trp	Glu	Ile	Glu	Asn	Asn	Pro	Thr	Val	Lys
247	_				85		_			90					95	•
248	Ala S	Ser	Gly	Tyr	Gln	Ser	Ser	Gln	Lys	Lys	Ser	Cys	Ala	Ala	Glu	Pro
249				100					105	_		_		110		
250	Glu V	/al	Glu	Pro	Glu	Ala	His	Glu	Gly	Asp	Gly	Asp	Lys	Lys	Gly	Ser
251			115					120					125			
252	Ala G	Glu	Gly	Ser	Ser	Asp	Glu	Glu	Gly	Lys	Leu	Val	Ile	Asp	Glu	Pro
.253		130					135					140				
254	Ala I	jys	Glu	Lys	Asn	Glu	Lys	Gly	Thr	Leu	Lys	Arg	Arg	Ala	Gly	Asp
255	145					150					155					160
256	Val I	Leu	Glu	Asp		Pro	Lys	Arg	Pro	_	Glu	Ser	Gly	Asp		Glu
257					165					170					175	
258	Glu G	Glu			Glu	Ile	Ala	Ala		Glu	Gly	Glu	Arg		Leu	Pro
259				180					185					190		
260	Val G	Glu		Glu	Lys	Asn	Ser		Pro	Ser	Glu	Pro	_	Ser	Gly	Gln
261			195					200					205			
262	Gly F		Pro	Ala	Glu	Glu		Glu	Gly	Glu	Glu		Ala	Ala	Lys	Glu
263		210					215					220				
264	Glu` A	Ala	Glu	Ala	Pro	_	Val	Arg	Asp	His		Ser	Leu			
265	225					230					235					

VERIFICATION SUMMARY

DATE: 11/29/2001

PATENT APPLICATION: US/09/938,885A TIME: 11:02:27

Input Set : N:\Crf3\RULE60\09938885A.RAW
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L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1